Application:
Three Conductor Variable Frequency Drive Cables are primarily used with VFD’s. The three conductor construction is suitable for applications that are generally dry with one-phase fault conditions, where an insulated ground is not required.

Conductors:
- 16ga-4ga: Stranded soft drawn tinned copper
- 2ga and larger: Stranded soft drawn bare copper

Ground(s):
- 16ga-4ga: Stranded soft drawn tinned copper
- 2ga and larger: Stranded soft drawn bare copper

Insulation:
- Cross-linked polyethylene (XLP) insulation

Shielding:
- 16ga: Aluminum/Mylar/Aluminum tape 100% coverage & tinned copper braid
- 14ga-4ga: Aluminum polyester & 85% tinned copper braid
- 2ga and larger: 0.005" helical bare copper tape shield with a 50% overlap

Color Code:
- Black insulation with ICEA Method 4 printed numbers

ICEA Method 4 - All Black Conductors

<table>
<thead>
<tr>
<th>Cond #</th>
<th>Cond Printing</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>&quot;1-One&quot;</td>
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<tr>
<td>2</td>
<td>&quot;2-Two&quot;</td>
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<tr>
<td>3</td>
<td>&quot;3-Three&quot;</td>
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</tbody>
</table>

Jacket:
- Black polyvinyl chloride (PVC) jacket that is sunlight, moisture, oil and abrasion resistant, and direct burial rated.
- Rated for use from -40°C to 90°C

Standards:
- UL 1277, Type TC-ER, Type XHHW-2
- UL approved as 1000V flexible motor supply cable
- UL listed as VFD or WTTC per UL 2277 for Flexible Motor Supply and Wind Turbine Tray Cables
- CSA FT-4 Vertical tray flame test
- CSA AWM I/II A/B singles
- CSA Type AWM per CSA standard C22.2 No. 210-11
- UL approved as 1000V flexible motor supply cable per UL 2277
- UL listed as VFD or WTTC per UL 2277 for Flexible Motor Supply and Wind Turbine Tray Cables
- CSA FT-4 Vertical tray flame test
- CSA AWM I/II A/B singles
- CSA Type AWM per CSA standard C22.2 No. 210-11 & 230-09
- Meets UL 1202/1583 70,000 BTU flame test
- Meets ICEA T-29-520 210,000 BTU flame test
- Suitable for use in Class I Division II hazardous locations
- 90°C DRY/WET
- RoHS II & REACH compliant
# Part Number | Conductor Size | Conductor Stranding | Ground Wire(s) Size | Insulation Thickness | Jacket Thickness | Overall Diameter
--- | --- | --- | --- | --- | --- | ---
16-03VFD-3G | 16 | 26 | 3#20 | 0.046 | 0.050 | 0.442
14-03VFD-3G | 14 | 41 | 3#18 | 0.030 | 0.045 | 0.413
12-03VFD-3G | 12 | 65 | 3#16 | 0.030 | 0.045 | 0.464
10-03VFD-3G | 10 | 105 | 3#14 | 0.030 | 0.060 | 0.553
8-03VFD-3G | 8 | 133 | 3#14 | 0.045 | 0.060 | 0.719
6-03VFD-3G | 6 | 133 | 3#12 | 0.045 | 0.080 | 0.854
4-03VFD-3G | 4 | 133 | 3#12 | 0.045 | 0.080 | 0.945
2-03VFD-3G | 2 | 133 | 3#6 | 0.045 | 0.080 | 1.112
1-03VFD-3G | 1 | 133 | 3#6 | 0.055 | 0.080 | 1.176
1/0-03VFD-3G | 1/0 | 133 | 3#4 | 0.055 | 0.080 | 1.334
2/0-03VFD-3G | 2/0 | 133 | 3#4 | 0.055 | 0.080 | 1.444
3/0-03VFD-3G | 3/0 | 133 | 3#4 | 0.055 | 0.080 | 1.467
4/0-03VFD-3G | 4/0 | 133 | 3#2 | 0.055 | 0.110 | 1.732
250-03VFD-3G | 250 | 259 | 3#8 | 0.065 | 0.110 | 1.931
350-03VFD-3G | 350 | 259 | 3#7 | 0.065 | 0.110 | 2.153
500-03VFD-3G | 500 | 259 | 3#6 | 0.065 | 0.110 | 2.409

All values are nominal and subject to correction.